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ABSTRACT OF THE DISCLOSURE

Genetic variants of the casein kinase I delta and casein kinase I epsilon genes are disclosed. Herein, two novel mutant casein kinase I delta genes and a novel mutant casein kinase I epsilon gene are disclosed. The protein products of the mutant casein kinase I delta gene and the mutant casein kinase I epsilon gene are also disclosed. The nucleic acid sequences of the invention lead to familial advanced sleep phase syndrome.